

Special Issue

Recent Developments in Catalytic Materials

Message from the Guest Editors

This Special Issue focuses on recent developments in catalytic materials, including photocatalysts, piezocatalysts, and tribocatalysts, which are a promising class of functional materials for environmental remediation and energy conversion applications.

Photocatalysts, piezocatalysts, and tribocatalysts have demonstrated superior performance in various catalytic applications such as water splitting, CO₂ reduction, and wastewater treatment by degrading organic pollutants under visible light irradiation and mechanical energy.

The unique electronic and structural properties of catalysts, as well as their surface modification capabilities, make them a versatile platform for designing efficient and selective catalysts. This Special Issue aims to provide a comprehensive overview of recent advances in photocatalysts, piezocatalysts, and tribocatalysts, including their synthesis, characterization, and catalytic applications. We hope that this Special Issue will stimulate further research in the field of photocatalysis, piezocatalysis, and tribocatalysis and promote their practical applications in environmental and energy-related areas.

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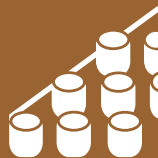
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Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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